



भारत का राजपत्र The Gazette of India

आधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

12/12/2000

सं० 49] नई दिल्ली, शनिवार, दिसम्बर 2, 2000 (अग्रहायण 11, 1922)
No. 49] NEW DELHI, SATURDAY, DECEMBER 2, 2000 (AGRAHAYANA 11, 1922)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 2nd December 2000

ADDRESS AND JURISDICTION OF THE OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Mumbai, Delhi and Chennai having Territorial Jurisdiction on a Zonal basis as shown below :—

Patent Office Branch,
Todi Estates, IIrd Floor,
Lower Parel (West), Mumbai-400 013.

The States of Gujarat,
Maharashtra, Madhya Pradesh and
Goa and the Union
Territories of Daman and
Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE"

Phone No. 482 5092
Fax No. 022 495 0622

Patent Office Branch,
Unit No. 401 to 405, IIIrd Floor,
Municipal Market Building
Saraswati Marg, Farol Bagh,
New Delhi-110 005.

The States of Haryana,
Himachal Pradesh, Jammu and
Kashmir, Punjab, Rajasthan,
Uttar Pradesh and Delhi and
the Union Territory of
Chandigarh

Telegraphic address "PATENTOFIC"

Phone No. 578 2532
Fax No. 011 576 6204

Patent Office Branch,
Wing 'C' (C-4, A),
IIIrd Floor, Fajaji Bhavan, Besant Nagar,
Chennai-600 090.

The States of Andhra Pradesh,
Karnataka, Kerala, Tamilnadu and
Pondicherry and the Union
Territories of Laccadive, Minicoy
and Aminidivi Islands.

Telegraphic address "PATENTOFIS"

Phone No. 490 1495
Fax No. 044 490 1492.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 002.

Rest of India.

Telegraphic address "PATENTS"

Phone No. 247 4401
Fax No. 033 247 3851

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by The Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 2 दिसम्बर 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जिन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांडी इस्टेट,
तीसरा तल, लेजर परले (प.)
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोवा राज्य क्षेत्र एवं मंच
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटेंटिफिक"

फोन : 482 5092 फैक्स : 022 495 0622

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटिफिक"

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,

विंग "सी" (सो-4, ए),

तीसरा तल, राजाजी भवन,

बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटेंटिफिक"

फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय ब्रह्मलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंटिफिक"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपीक्षित
सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोड
कोई पेटेंट कार्यालय के केवल समुचित कार्यालय में ही प्रेषण
किये जायेंगे [1]

शुल्क : शुल्कों की अद्वयगी या तो नकद की जाएगी अथवा
जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित
बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा
की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part III, Sec-2 dated the 26th August, 2000. In page-690, col-1 in respect of application for Patent No. 388/Mas/2000 filed on 22nd May, 2000 read the little as "Novel compounds having anti-inflammatory activity. Process for their preparation and pharmaceutical compositions containing them" instead of "Novel communication equipment (point to point) through telephphone handset by means of dedicated complaint equipment piano mail" and in respect of application for Patent No. 389/Mas/2000 filed on 22nd May, 2000 read the Applicant and title as "Sima MOTTAL" sanitary device. (May 25, 1999, EUROPE)" instead of 388/Mas/2000, Dr. Reddy's Research Foundation, Novel 25, 1999, EUROPE.

ALTERATION OF DATE U/S 16

185170

Antedated to 07th October 1997.

(2193/Cal/98)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसकी निर्णय की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर बगर जांबीयत हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी निबन्धक एक्सचेंज को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फाइल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुक्रम हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30/- रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित प्रत्येक प्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की जा सकती है।

Int. Cl.⁴ : 16 D 41/07. 185161

Ind. Cl. : 127 I.

FREEWHEEL-RETAINER RING WITH CENTRIFUGAL FORCE TAKEOFF.

Applicant : RINGSPANN GMBH OF SCHABERWEG 30-34 D-61348 BAD HOMBURG, GERMANY.

Inventors :

1. RUPPECHT MAURER
2. KARI HEINZ TIMTNER
3. SIEGFRIED JACKWERTH

Application No. 1587/Cal/95 filed on 6-12-95.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

19 Claims

A freewheel retainer ring comprising of two opposite-facing ring-shaped edge rings (1, 2; 11, 12) extending substantially in a radial direction of the retainer ring, the ring being connected with each other by axial connecting bolts (3) thereby forming an axial interspace, the edge rings having between them a plurality of clamping members (5;

15) which are swivelably mounted in the retainer ring and are pretensioned by at least one spring (6, 16) in a direction of engagement of the retainer ring, whereby under action of centrifugal force the clamping members (5, 15) execute a swivel motion in a direction of disengagement and acting against the at least one spring, each clamping member including two axial extensions and opposite end faces, two separate pockets (4, 4' 14, 14') being allocated to each clamping member (5; 15) at the axial extensions of each clamping member, the pockets engaging with opposite end faces of the clamping member (5, 15) and guiding the clamping member at least in a circumferential direction of the retainer ring, and one of the two pockets (4; 14) being connected with one of the two edge rings (1; 11), and the other of the pocket (4, 14') being connected with the opposite-facing edge ring (2, 12).

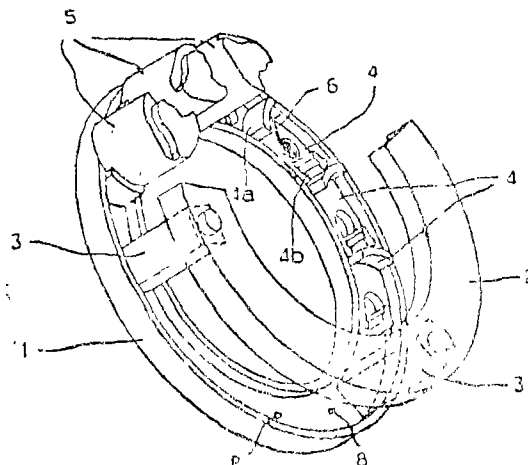


FIG 1

(Compl. Specn. 18 Pages.

Drgns. 3 sheets)

Int. Cl.⁴ : H 02 K - 1/02

185162

Ind. Cl. : 63 B.

A. C. GENERATOR FOR A VEHICLE.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100, JAPAN.

Inventor :

KYOKO KURUSU
KATSUMI ADACHI.

Application No. 1315/Cal/95 filed on 25-10-95.

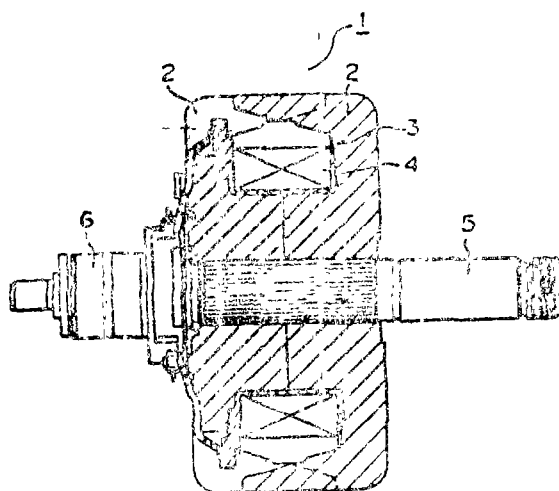
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

An a.c. generator for a vehicle, wherein a rotor is constructed so that rotary shaft is press-fit into a pair of claw type magnetic poles (2) to apply a preload to a field coil bobbin (3) to sandwich the bobbin between the magnetic poles, characterised in that rotation-preventing means are provided at preload applied positions where the preload is applied between an outer radial portion of a yoke of the magnetic poles, and an outer radial portion of a side wall (3a) of the bobbin, the rotation-prevention means comprising a recessed portion (2c) formed on an inner side surface (2a)

of the yoke, and a projection (3c) formed on a wall (3a) of the bobbin (3), the recessed portion and the projection being provided at a position between adjoining magnetic poles.

FIGURE 1



(Compl. Specn. 11 Pages.

Drgns. 9 sheets)

Int. Cl.⁴ : H 02 K 1/02.

185163

Ind. Cl. : 63 B.

A.C. GENERATOR FOR A VEHICLE.

Applicant : MITSUBISHI DENK, KABUSHIKI KAISHA OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100, JAPAN.

Inventors :

KYOKO KURUSU

KATSUMI ADACHI

Application No. 1316/Cal/95 filed on 26-10-95.

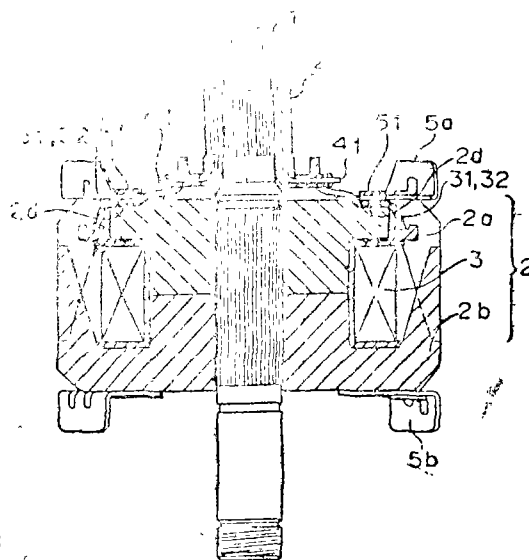
Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta

4 Claims

An a.c. generator for a vehicle, comprising :

- a rotary shaft;
- field cores fixed on the rotary shaft, each having an annular recessed portion;
- a field coil held in the annular recessed portion of the field cores;
- slip rings for power supply, arranged on the rotary shaft at one side of the field cores;
- lead wires drawn from the field coil outside of the field core and connected to the slip rings through terminals; and a fan fixed on the one side of the field core;

characterized in that grooves having a substantially trapezoidal cross-section are formed in the field cores for guiding the lead wires and to house a resin and recessed portions for protecting the lead wires and resins are provided on the fan top face and correspond to the grooves.



(Compl. Specn. 11 Pages.

Drgns. 5 sheets)

Int. Cl.⁴ : H 01 L 29/00.

185164

Ind. Cl. : I94 C1

AN ELECTRIC POWER CUT-OFF DETECTION UNIT FOR A MONITOR.

Applicant : DAEWOO ELECTRONICS CO. LTD. OF 541, 5GA, NAMDAEMONRO, JUNGKU, SEOUL, REPUBLIC OF KOREA.

Inventor : KIM, YOUNG-MIN.

Application No. 1324/Cal/95 filed on 27-10-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

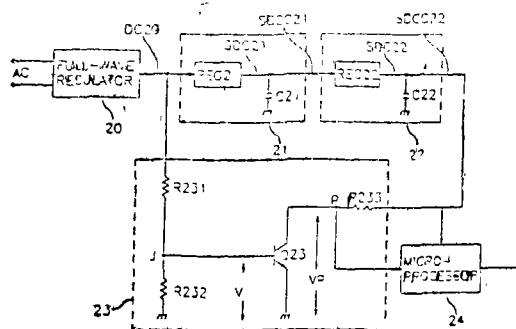
An electric-power cut-off detection unit for a monitor comprising :

- a full-wave rectifier (20) for rectifying alternate electric power (AC) and outputting a direct voltage (DC 20);
- a first voltage generator (21) for rectifying direct voltage (DC 20) and generating a direct voltage (SDCC 21) which is more stabilized than direct voltage (DC 20);
- a second voltage generator (22) for generating a different voltage (SDCC 22) which is lower and more stabilized than direct voltage (SDCC 21);

characterized in that two resistors (R 231 and R 232) are connected in series between the first direct voltage (DC 20) and ground, the junction of the two resistors is connected with the base of a transistor (Q 23), the emitter and collector of the transistor are connected respectively with ground, and one terminal each of the another resistor (R 233) and a microprocessor (24) for storing data concerning operation states of a monitor when the voltage at the collector of the transistor is substantially OV, and the other terminal of said another resistor and

the operating power input terminal of the micro-processor are each connected with the said voltage (SDCC 22)

FIG.2



(Compl. Specn. 15 Pages.

Drgns. 4 sheets)

Int. Cl.⁴ : G 02 F - 1/133.

185165

Ind. Cl. : 146 D

ACTUATED MIRROR ARRAY DRIVING CIRCUIT HAVING A DAC.

Applicant : DAEWOO ELECTRONICS CO. LTD. OF 541, 5GA, NAMDAEMOONRO, JUNGGU, SEOUL, REPUBLIC OF KOREA.

Inventors :
GEUN-WOO LEE
SANG-KYOUNG WOO.

Application No. 1422/Cal/95 filed on 10-11-1995.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

3 Claims

Actuated mirror array driving circuit having a digital-to-analog converter (DAC) for driving thin film actuated mirrors in a column in an array of MxN thin film actuated mirrors, wherein M and N are integers and indicate column and row in the array, respectively, each of the thin film actuated mirrors being used for reflecting a light beam incident thereupon, each of the thin film actuated mirrors being associated with a switching element, each of the thin film actuated mirrors deforming in response to a signal voltage applied thereto through the switching element as each of the switching elements in the same column is turned on to thereby cause a deviation in the optical path of the reflected light beam therefrom, the driving circuit comprising :

a frame memory for storing a video signal in the form of a digitized signal, the video signal having a plurality of line video signals, each of the line video signals being scanned in accordance with a scanning pulse, each of the line video signals being divided into said N number of n-bit data signals, each of the N number of the n-bit data signals being sequentially generated from the a frame memory;

a control signal generator for deriving from the scanning pulse a clock pulse to drive each of said N number of thin film actuated mirrors in the same column;

a control signal generator for deriving from the scanning pulse a data control signal having a first pulse followed by a second pulse, each a plurality of modular package ICs of a substantially identical construction, each of the modular package ICs being sequentially enabled in accordance with the enable signal to individually drive a predetermined number of actuated mirrors within the same column so that it applies individually to the predetermined number of actuated mirrors a corresponding number of the n-bit data signals, wherein each of the modular package ICs comprises;

a decoder for generating a sequential signal through the use of the scanning pulse together with the enable signal, the sequential signal being used to permit the corresponding number of n-bit data signals to be received in sequence;

a latch/DAC circuit, having a corresponding number of input latches, each of the input latches for temporarily storing one of the corresponding number of n-bit data signals in accordance with the sequential signal and also having a corresponding number of transfer gates, each of the transfer gates, in synchronization with the transition from the first pulse to the second pulse, simultaneously outputting the n-bit data signal from each of the input latches;

a latch section having a corresponding number of latch/DAC circuits each of the latch/DAC circuits converting the n-bit data signal transferred from each of the transfer gates into an analog voltage quantity which is proportional to the value of the n-bit data signal; and

an OP-AMP section having a corresponding number of OP-AMP circuits, each of the OP-AMP circuits amplifying the analog voltage quantity to produce the signal voltage to be applied to each of the predetermined number of the actuated mirrors.

(Comp. Specn. 20 Pages;

Drgns. 9 Sheets).

Int. Cl.⁴ : H 04 N-17/04

185166

Ind. Cl. : 206 K.

TELEVISION RECEIVER CAPABLE OF PERFORMING A SELF-DIAGNOSIS.

Applicant : DAEWOO ELECTRONICS CO. LTD. OF 541, 5GA, NAMDAEMOONRO, JUNGGU, SEOUL, REPUBLIC OF KOREA.

Inventor : JANG-HWAN LEE.

Application No. 1443/Cal/95 filed on 13-11-95.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

2 CLAIMS

A television (TV) receiver for performing a self-diagnosis, comprising :

a key matrix (180) for performing a number of control functions;

a tuner (100) for selecting a RF channel signal among inputted RF channel signals;

an IF module (120) for converting the selected RF channel signal to a baseband video and audio signals;

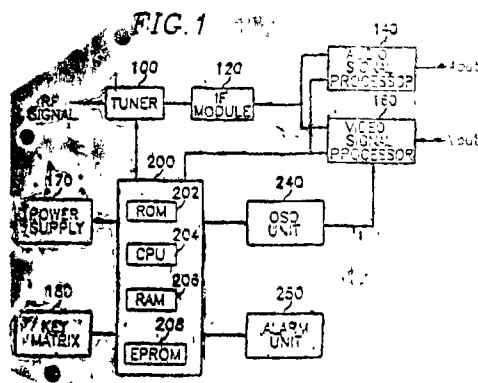
an audio signal processor (140) and a video signal processor (160) for processing the baseband audio and video signals;

an OSD (on screen display) unit (240) for providing the video signal processor (160) with an OSD signal representing OSD information to be displayed on screen;

a power supply (170) for providing an operational power, for driving the key matrix (180), the tuner (100), the IF module (120), the audio signal processor (140), the video signal processor (160) and the OSD unit (240), and an initial power;

a controller (200) for self-diagnosing the TV receiver in response to the initial power so as to determine either to produce an alarm signal warning an abnormal state or to wait for a turn-on signal to turn the TV receiver on; and

an alarm unit (250) for notifying a user with the abnormal state, the alarm unit (250) being driven by the initial power.



(Comp. Specn 13 Pages; Drgns. 5 Sheets).

Int. Cl. : H 03 M—7/46.

185167

Ind. Cl. : 186 B.

AN APPARATUS FOR ENCODING VARIABLE LENGTH CODES.

Applicant : DAEWOO ELECTRONIC CO. LTD. OF 541, 5GA, NAMDAEMGONRO, JUNGGU SEOUL, REPUBLIC OF KOREA

Inventor : DONG—SOO KANG.

Application No. 1444/Cal/95 filed on 13-11-95.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

1 CLAIMS

An apparatus for encoding variable length codes (VLCs) represented by variable-length codewords and their lengths and segmenting variable-length codewords of the VLCs into fixed-length segments for the transmission thereof, wherein the lengths of the variable-length codewords are processed in an encoded form, the apparatus comprising;

a first register for storing a series of source codes and producing each of the source codes in response to a enable signal which is associated with each input time of the source codes;

a look up table for mapping each of the source codes into each of the VLCs to produce each of the variable-length codewords and its length;

a second register for storing each of the variable-length codewords, and, in response to the enable signal, for producing said each stored variable-length codeword;

a third register for storing each length of the variable-length codewords, and, in response to the enable signal, producing said each stored length;

a first barrel shifter, in response to a first control signal representative of the length of a present input variable-length codeword, for concatenating the present input variable-length codeword and a concatenated variable-length codeword together, thereby to produce a newly concatenated variable-length codeword;

a fourth register for storing the concatenated variable-length codeword, and, in response to the enable signal, producing said each concatenated variable-length codeword;

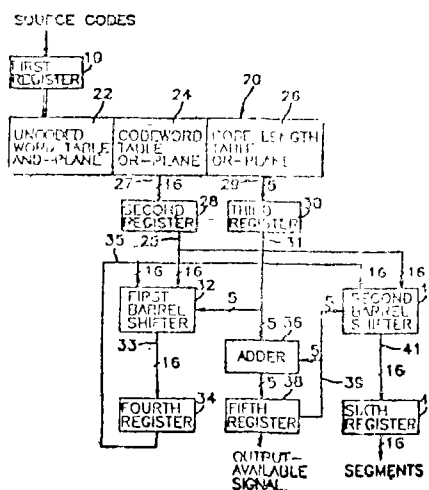
a second barrel shifter, in response to a second control signal, for producing a fixed-length segment out of combined inputs of the present input variable-length codeword and the concatenated variable-length codeword;

an adder for adding the length of the present input variable-length codeword and an adder length to produce a newly added length;

a fifth register for comparing the newly added length with a predetermined number of bits to store the newly added length if the newly added length does not exceed the predetermined number of bits and, otherwise, to store a residue representative of the number of exceeding bits after the adding as the added length and to produce an output available signal which represents the availability of the fixed-length segment of the second barrel shifter; and, in response to the enable signal, producing said each stored added length as the second control signal of the second barrel shifter; and

a sixth register for storing the fixed-length segment from the second barrel shifter and, in response to the enable signal, producing said each stored fixed length segment.

FIG. 1



(Compl. Specn. : 16 Pages;

Drgns. : 4 Sheets)

Int. Cl. : B 60 J1/00

185168

Ind. Cl. : 58 A.

APPARATUS FOR USE IN RELEASING AN ARCHITECTURAL OR VEHICULAR WINDOW PANE.

Applicant : BELRON INTERNATIONAL NV. OF KAYA KRISOLITO, P.O. BOX 342, KRALENDIJK, BONAIRE, NETHERLANDS ANTILLES.

Inventors :

1. NEVILLRE RICHARD LEDGER
2. ROBERT MARC CLEMENT
3. CHRISTOPHER DAVIES

Application No. 1580/Cal/95 filed on 5-12-95.

(Convention No. 9424659.2 filed on 7-12-94 in U.K.)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

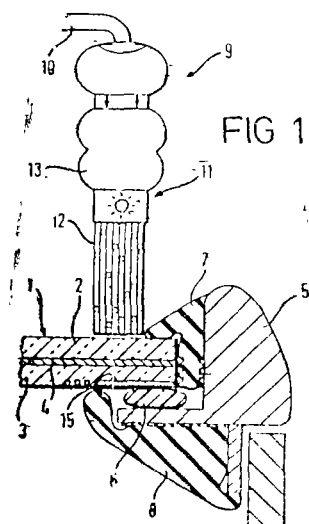
11 Claims

Apparatus for use in releasing an architectural or vehicular window pane from a supporting frame to which the window pane is bonded by a bead of homogeneous bonding material, the apparatus being :

- (a) a light energy delivery system comprising an applicator to be positioned adjacent the window pane, the applicator including light guide means for guiding the light energy to pass through material comprising the window pane; or
- (b) an ultrasonic energy delivery system comprising a power supply and an ultrasonic transducer arrangeable adjacent the window pane;

the light energy delivery system or ultrasonic energy delivery system being actuatable to deliver light energy or ultrasonic energy or ultrasound energy through material comprising the window pane thereby to :

- (i) cause degradation of material comprising the homogenous bonding bead, and/or;
- (ii) cleavage or degradation of material comprising the window pane thereby to effect release of the window pane from the supporting frame.



(Compl. Specn. : 11Pages;

Drgns. : 1 Sheet)

Int. Cl.⁴ : A 61 K 31/34 C 07 D 307/78.

185169

Ind. Cl. : 32 G.

PROCESS FOR THE PRODUCTION OF α -TOCOPHEROL ESTERS.

Applicant : DEGUSSA HULS AKTIENGESELLSCHAFT, WEISSFRAUENSTRASSE 9, D-60311 FRANKFURT AM MAIN, GERMANY.

Inventors :

1. DR. STEFFEN KRILL
2. DR. FRANK HUBNER
3. DR. RAINER HAHN
4. HORST WEIGEL
5. DR. KLAUS HUTHMACHER

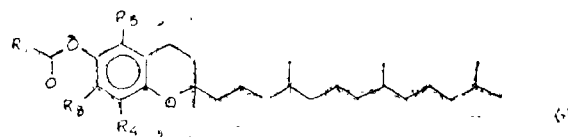
Application No. 2182/Cal/98 filed on 16-12-98.

(Convention No. 197 57 124.7 filed on 20-12-97 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta,

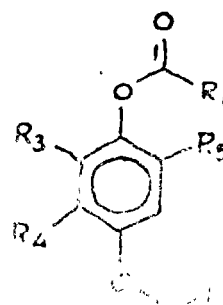
9 Claims

Process for the production of α -tocopherol esters, the derivatives or homologues thereof of the general formula



characterised in that

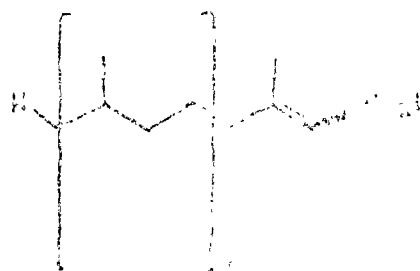
the mono- or diesters of a hydroquinone of the general formula



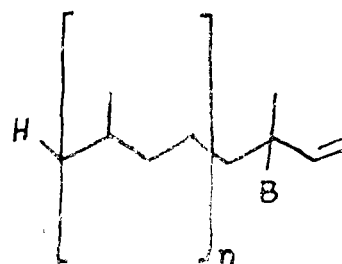
in which

R_1, R_2 mean C_1-C_{30} alkyl, branched or unbranched, where R_1 does not equal R_2 or $R_1=R_2$;

R_3, R_4, R_5 mean H, C_1-C_3 alkyl, identical or different are reacted with an alkyl alcohol derivative of the general formula



in which n represents a number from 0 to 5 and L represents a hydroxyl, halogen, acetoxy, methanesulfonyloxy, ethanesulfonyloxy, benzenesulfonyloxy or toluenesulfonyl group, or with an allyl alcohol of the general formula



in which n represents the same numbers as above and B represents a hydroxyl, in the presence of 10 to 100 mol% zinc halides based on the used diesters diacetate and proton-liberating acids such as herein described at a temperature of 25 to 100°C.

(Compl. Specn. : 29 Pages;

Int. Cl.⁴ : C 07 D 207/28, 207/36.

Ind. Cl. : 32 F 2(b).

PROCESS FOR PRODUCING CAPTOPRIL.

Applicant : KANEKA CORPORATION. OF 2-4, NAKANOSHIMA 3 CHOME, KITA-KU, OSAKA-SHI, OSAKA 530, JAPAN.

Inventor : KOICHI KINOSHITA, FUMIHIKO KANO, TAKAHIRO OKUBO AND YASUYOSHI UEDA.

Application No. 2193/Cal/98 filed on 18-12-98.

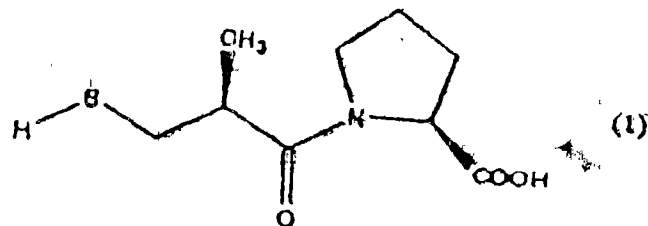
(Convention No. 8-289340 on 11-10-96 in JAPAN).

(Divided out of No. 1885/Cal/97 ante dated to 07-10-1997).

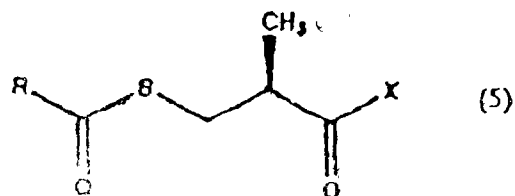
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

4 Claims

A process for producing captopril of the following formula (1)



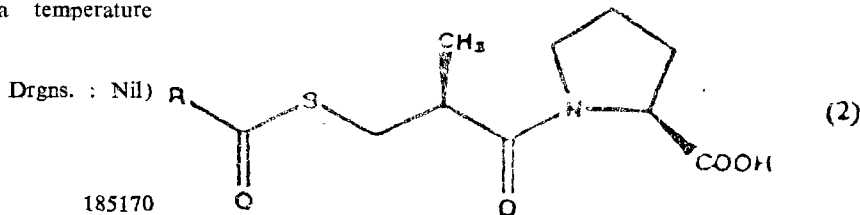
which comprises subjecting an acid halide of the following general formula (5)



wherein R represents alkyl or alkoxy, X represents halogen and L-proline of the following formula (6)

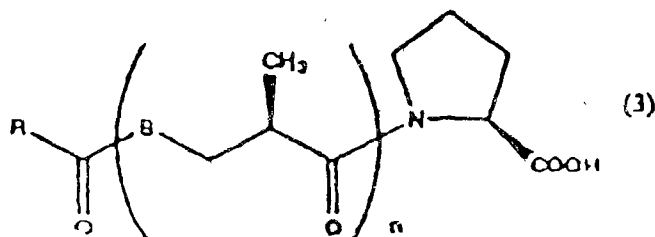


to Schotten-Baumann reaction under basic conditions, to obtain the resultant compound of the following general formula (2)

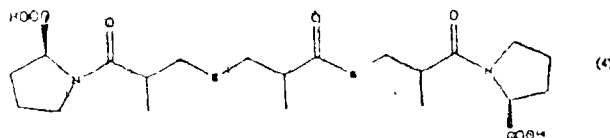


wherein R represents alkyl or alkoxy,

subjecting the compound of the general formula (2) to hydrolysis reaction in aqueous medium to remove RCO group and isolating the resultant compound of the formula (1); said hydrolysis reaction in aqueous medium being conducted in the presence of a strong acid, such as herein described, at pH not over 1 and at a reaction temperature not below 40°C and in the presence or absence of at least one of a compound of the following general formula (3)



wherein R represents alkyl or alkoxy; n represents an integer of 2 to 4, and a compound of the following formula (4)



(Compl. Specn. : 33 Pages;

Drgns. : Nil)

Ind. Cl. : 32 F(2b)

185171

Int. Cl.⁴ : C 07 D, 241/04

"AN IMPROVED PROCESS FOR THE PRODUCTION OF 2-METHYLPYRAZINE (2-MP) FROM ETHYLENE-DIAMINE AND PROPYLENE GLYCOL".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXXI OF 1860).

Inventor(s) :

MACHIRAJU SUBRAHMANYAM—INDIAN,
GUDIMELLA MURALIDHAR—INDIAN,
SHIVANAND JANARDAN KULKARNI—INDIAN,
VENKATARAMAN VISHWANATHAN—INDIAN,
BASAVARAJU SRINIVAS—INDIAN,
JHILLU SINGH YADAV—INDIAN AND
ALLA VENKATA RAMA RAO—INDIAN.

Kind of Application : Provisional—Complete.

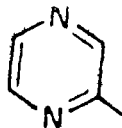
Application for Patent No. 281/Del/92 filed on 30th March 1992.

Complete left after provisional specification filed on 30-09-1992.

Appropriate office for Opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the production of 2-methylpyrazine of the formula II



of the drawing accompanying the application from ethylenediamine (v) and propylene glycol (iv) which comprises gasifying the ethylenediamine and propylene glycol at a temperature in the range of 200–350 °C & passing the gasified ethylenediamine and propylene glycol at a rate of 50 ml/hr, through a prerduced promoted zinc-chromite catalyst prepared by the process as herein described at a temperature in the range of 375–500 °C for a period ranging from 120–128 hrs. recovering the 2-methylpyrazine by known method such as herein described and if desired, recycling 2-methylpiperazine formed as a byproduct for further conversion to 2-methylpyrazine.

(Provisional Specification : 6 Pages; Drawing Sheet : Nil)
(Compl. Specn. : 10 Pages; Drawing Sheets : 3)

Ind. Cl. : 145 E; 185172
Int. Cl. : D 21B 1/00.

A PROCESS FOR PRODUCTION OF PULP FROM THE AGRICULTURAL RESIDUES.

Applicant : THE DIRECTOR, CENTRAL PULP AND PAPER RESEARCH INSTITUTE, SAHARANPUR INDIAN, AN INDIAN NATIONAL.

Inventors : DR. R. PANT, DR. HARI KISHORE DR. NIDHI RAWAT, K. S. MOORTHY and DR. A. PANDA—All are Indian Citizen.

Application for Patent No. 477/Del/92 filed on 4-6-92.
Complete left after provisional specification filed on 20-7-93.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the production of pulp from the agricultural residues comprising cooking said agricultural residues in urea in the range of 2 to 24% at the temperature of 145 to 155 °C for a period of upto one hour and then subjecting said pulp to the step of washing to obtain pulp and spent liquor.

Complete Specification 12 Pages Drawing Sheet-Nil.

Ind. Cl. : 86 C 155 D 185173
Int. Cl. : D 04 H 11/00, B 32 B 5/26, B 68 G 11/02.

A NONWOVEN MATERIAL AS AN UNDERLAYER FOR A FABRIC COVERING SEATS.

Applicant : LIBELTEX N.V., OF MARIALOOPSTEENWEG 1 B-8760 MEULEBEKE, BELGIUM.

Inventor(s) : VERCOUTER HENDRIK BELGIUM. VAN KERREBROUCK JOZEF—BELGIUM.

Application for Patent No. 552/Del/92 Filed on 24-6-92.
2—357 GI/2000

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A nonwoven material for use as an underlayer of a fabric covering seats intended for passenger transport, said nonwoven material having a thickness between 4 to 40 mm and a minimum compressed thickness of 2mm at 20 N Cm² static pressure; comprising a minimum of 50% synthetic fibres of a thickness between 3 and 40 dtex and if length between 2 and 12 cm and upto 50% of natural and/or artificial fibres, said fibres being needle bonded and if desired heat bonded to have an apparent density between 20 and 100 Kg/m³.

Complete Specification 11 Pages Drawing Sheet - Nil

Ind. Cl. : 9 B 185174
Int. Cl. : C22 C, 1/00.

A PROCESS FOR MAKING METAL MATRIX COMPOSITES.

Applicant : PRADEEP KUMAR ROHATGI AN INDIAN NATIONAL OF 2/34, SARVA PRIYA VIHAR, NEW DELHI-110016.

Inventor(s) : PRADEEP KUMAR ROHATGI—INDIA.

Application for Patent No. 0582/Del/92 filed on 03-07-92.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office Branch, New Delhi-110005.

20 Claims

A process for making metal matrix composites which comprises in the steps of :

- heating the metal matrix material in a crucible to a temperature where the metal being converted into molten or semimolten state,
- adding 0.5 to 10% by volume of preheated dispersoids alongwith a reactive element to the melt and
- stirring the melt in the crucible above 600 rpm preferably in the presence of an inert gas to provide a suspension of particles in the melt of the matrix alloy and in the form of a slurry and then.
- subjecting said slurry to the step of casting for making metal matrix.

Complete Specification 26 Pages Drawing Sheet-NIL

Ind. Cl. : 62 185175
Int. Cl. : C09 E, 61/00

A PROCESS FOR PREPARING A WATERFAST AQUEOUS INK COMPOSITION.

Applicant : LEXMARK INTERNATIONAL, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF DELAWARE, HAVING A PLACE OF BUSINESS AT 740 NEW CIRCLE ROAD NW, LEXINGTON, KENTUCKY 40511-1876, U.S.A.

INVENTORS:

DORNEY ORAL AULICK—U.S.A.
BRADLEY LEONARD PEACH—U.S.A.
TERENCE EDWARD FRANEY—U.S.A.
JAMES MICHAEL MCVOS—U.S.A.
ANDRE MACIE RICHYNKA—U.S.A.
JERRY FAIN STONE—U.S.A.

Application for Patent No. 0599/Del/92 filed on 13-07-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A process for preparing a waterfast aqueous ink composition comprising mixing : 3-4% by weight of a dye having solubilizing groups consisting essentially of anionic groups and not having a quaternary ammonium group,

1.5-2.5% by weight of ink of substituted polyethyleneimine hydroxy alkyl, said polyethyleneimine hydroxy alkyl being substituted at least 95% of the available imine nitrogen's 2.0-10% by weight of said ink of ammonium salt of the kind as herein described to act upon loss of salt polar liquid with said dye and said polyethyleneimine to provide waterfastness of said dye of at least 80% in substantially neutral or acidic water and the balance, a polar solubilizing liquid providing a liquid vehicle for said dye in said ink.

(Compl. Specn. 8 Pages

Drng. Sheet Nil)

Ind. Cl. : 35G

185176

Int. Cl.⁴ : C 04B 35/00

AN IMPROVED PROCESS FOR THE PRODUCTION OF CERAMIC CRUCIBLES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

INVENTORS :

KALI CHARAN RAY—INDIA,
SWAPAN KUMAR DAS—INDIA,
BALAI KUMAR MITRA—INDIA,
KEDAR NATH GUPTA—INDIA,
BIKASH CHANDRA MUKHERJEE—INDIA,
SUHADA RANJAN PAUL—INDIA.

Application for Patent No. 615/Del/92 filed on 15-7-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

An improved process for the producing of ceramic crucible which comprises—

- (a) Wet/dry mixing intimately of the following raw materials in the proportion range of :

High purity alumino-silicate mineral : 20—70% wt.

Quart : 30—75% by wt.

Additives : 1—2% by weight,

- (b) Drying of wet mix by any known process.
(c) Mixing intimately of dry powder with organic and/or inorganic binder,
(d) Shaping of crucibles by hydraulic press or hand moulding.
(e) Drying of shaped crucibles.
(f) Firing of dried crucibles in an electric furnace or gas/oil fired furnace in a temperature range of 1450°C—1550°C with soaking period in the range of 1—3 hours.

(Compl. Specn. 6 Pages

Drng. Sheet Nil)

Ind. Cl. : 5 C

185177

Int. Cl.⁴ : A 01 D—43/00

TEA HARVESTER.

Applicant : WILLIAMES HI-TECH INTERNATIONAL PTY. LTD., AN AUSTRALIAN COMPANY, OF WILLS STREET, WARRAGUL, VICTORIA 3820, AUSTRALIA.

Inventor : GEOFFREY ALAN WILLIAMES—AUSTRALIA.

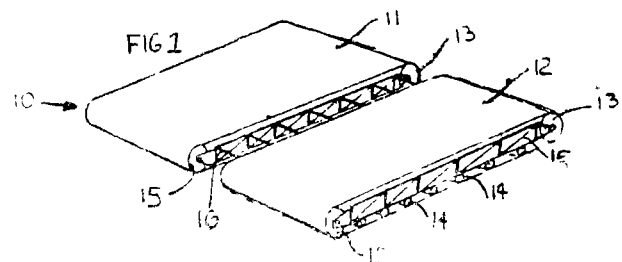
Application for Patent No. 653/Del/92 filed on 24-07-92.

Convention application No. PK 7454/AN/26-07-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A tea harvester for use on a plurality of tea bushes growing adjacent one another, said tea harvester comprising a main support frame (16) means having a forward zone and a rear zone, a sub frame assembly pivotally mounted to said support frame means for pivotal movement about a first transverse (69) pivot axis, said sub frame assembly carrying tea leaf cutter means (59, 60, 61) located forwardly of the forward zone of said main support frame, said sub frame assembly also including roller (71) to rotate about a second transverse pivot axis, said roller being located forwardly of said leaf cutter means and in use contacting and being supported by a top zone of said tea bushes, and transport means being carried by said main support frame means and located at least partially below said main support frame means, said transport (12) means to contact and be supported on the top zone of said tea bushes, said transport means further being movable whereby said main transport means is moved over said top zone of the tea bushes while being supported thereon.



(Compl. Specn. 18 Pages

Drng. 11 Sheets)

Ind. Cl. : 170 D

185178

Int. Cl.⁴ : C 11 D 9/00

A PERSONAL CLEANSING FREEZER BAR AND A PROCESS FOR MANUFACTURING THE SAID BAR.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

INVENTORS :

JAMES EDEN TANERI—U.S.A.,
MARK LESLIE KACHER—U.S.A.
CONSTANCE SAGEL KOCZWARA—U.S.A.
STEVEN KIRK HEDGES—U.S.A.,
THOMAS FOSTER LESLIE—U.S.A. AND
MARCUS WAYNE EVANS—U.S.A.

Application for Patent No. 658/Del/92 filed on 27th July, 1992

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A personal cleansing freezer bar comprising a skeleton structure having a relatively rigid interlocking, semi-continuous open, three-dimensional crystalline mesh of neutralized carboxylic acid soap selected from the group consisting of sodium and lithium soaps, and mixtures thereof in the ratio of 5%—75% by volume of the bar and the balance being the optional conventional freezer bar components selected from the viscosity enhancing agents, compatible salts of dicarboxylic acids, potassium soap, triethanolamine, synthetic surfactants, water soluble organics, compatible selected salts or salt hydrate, polymeric skin feel aid and mixtures thereof and other impalpable water insolubles, wherein the said freezer bar comprises a cooled extruded semi solid soft plug obtained by cooling the molten mixture of said soap from 15%—85% with 15%—40% of water in a scraped wall heat exchanger freezer.

(Compl. Specn. 34 Pages;

Drngs. 8 Sheets)

Ind. Cl. : B 01 J

185179

Int. Cl.⁴ : A 61 F 13/00

"A SANITARY NAPKIN OR PANTILINER HAVING ABSORBENT CORE WHEREIN A WET-LAID SHEET".

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventors :

DANIEL EDWARD BUENGER—U.S.A.

JAMES CAMERON HORNEY—U.S.A.

JOHN LEE HAMMONS—U.S.A.

Application for Patent No. 660/Del/92 filed on 27-7-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A sanitary napkin or pantiliner having absorbent core wherein a wet-laid sheet comprises atleast 30% of mechanically refined individualized curled cellulosic fibers, having an average length of from 0.25 mm to 1.5 mm, which is from 20% to 40% in length of their original unrefined state.

(Compl. Specn. : 37 Pages;

Drwng. Sheet : Nil)

Ind. Cl. : 32F³(c), 81

185180

Int. Cl.⁴ : C 09 K 21/00

"A PROCESS FOR THE PREPARATION OF TETRABROMOBISPHENOL—A".

Applicant : SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, AN INDIAN INSTITUTE OF 19 UNIVERSITY ROAD, DELHI-110007, INDIA, REGISTERED UNDER SOCIETIES ACT.

Inventors :

MOHAMMAD QAMAR PARWEZ—INDIA

RAJESH KUMAR RAINA—INDIA

DATTAPRASAD ACHYUT DABHOLKAR—INDIA

Application for Patent No. 663/Del/92 filed on 27-7-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of tetrabromobisphenol—A comprising adding bisphenol A to a solvent media such as acetic acid in the molar ratio of 1:10, adding water to said mix in the amount of 40 to 50% of said mix so that bisphenol—A being suspended in said solvent, subjecting said suspension to the step of cooling to a temperature of 5 to 15°C, adding bromine dropwise to said suspension in the ratio of 1:4—6 for a period of 30 to 60 minutes, maintaining thereafter the temperature of the reaction between 65 to 85°C so as to obtain tetrabromobisphenol—A (TBBA) and then removing the same by any known method from the reaction mix followed by washing and drying of said TBBA so obtained.

(Compl. Specn. : 7 Pages;

Drwng. Sheet : Nil)

Ind. Cl. : 39 C 72 C

185181

Int. Cl.⁴ : C 01 C 1/00

"A METHOD OF MANUFACTURING LOW DENSITY AMMONIUM NITRATE PARTICLES".

Applicant : ICI CANADA, INC., OF P.O. BOX 200, STATION A, NORTH YORK, ONTARIO M2H 6H2, CANADA.

Inventor : ARUN KUMAR CHATTOPADHYAY.

Application for Patent No. 382/Del/92 filed on 30-04-92.

Convention Application No. 9115681.0, 9109257.7/ CANADA/19-7-91, 30-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

16 Claims

A method of manufacturing low density ammonium nitrate particles comprising contacting ammonium nitrate particles with a liquid medium of the kind such as herein described such that said liquid medium penetrates into the particle interior through pre-existing pathway therein and dissolves ammonium nitrate at the pathway surface, said dissolution resulting in a gassing reaction of the kind such as herein described which facilitates pathway enlargement and subsequent vending of such pathway.

(Compl. Specn. : 19 Pages;

Drwng. Sheet : Nil)

Ind. Cl. : 195 D, 199

185182

Int. Cl.⁴ : E 03 B, 7/07

"AN IMPROVED ELECTRONIC DEVICE FOR AUTOMATIC CONTROL OF WATER PUMP".

Applicant : ROHIT KHANNA, 265 (FF) MARG 4, KAYLASH HILLS, NEW DELHI-110065, INDIA.

Inventor : ROHIT KHANNA—INDIA.

Application for Patent No. 0274/Del/92 filed on 30-03-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

12 Claims

An improved electronic device for automatic control of water pump comprising :

- water level detection means for detecting a pre-determined upper and lower level of water in a auxiliary water tank, and for detection of a third pre-determined level of water in a main water tank for indicating that the lower tank is empty, and providing a first, second and third voltage signal output corresponding to three levels of water in the said tanks,
- power on detection means to detect an initial power on condition of the complete circuitry is connected to digital conversion means to provide binary signal output which is connected to logic means,
- the said water level detection means are connected to digital conversions means to convert first, second and third voltage signals to fourth, fifth and sixth binary voltage signals,
- the digital conversion means producing binary fourth and fifth voltage signals are connected to the logic means to produce a seventh voltage signal output, the said seventh voltage signal output is forced to an OFF state if the said fourth signal is active and continues in its current state if the said fourth signal is inactive and the fifth signal is active, the output of the said logic means being forced to an ON state, if both the fourth and the fifth signals are inactive, and the output being forced to an ON state, if the said fourth signal is inactive and the power on detect signal is active,
- a memory element means is connected at the output of the logic means for remembering the said current state of the seventh signal,
- an enabling/disabling means which is connected between the logic means and the sixth signal to control the 7th signal to produce the eighth signal depending on the said sixth signal; such output is a logical copy of the 7th signal if the second water level is above a pre-determined level as detected by the said third detection means, the 8th signal is forced to disable state if the second water level is below the pre-determined level as detected by the said third detection means,
- switching means connected to output of memory element means and enabling/disabling means through electric driving means to provide controlling of power to an external electric motor/pump responsive to the said eighth signal.

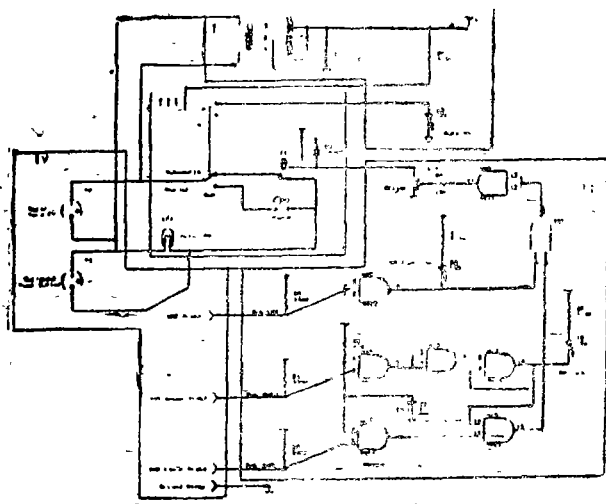


Fig. 1: Controller Circuit Schematic

(Compl. Specn. : 10 Pages;

Drwng. Sheets : 3)

Ind. Cl. : 6 B (3)

185183

Int. Cl.⁴ : F 04 F-5/60

FUEL INJECTION PUMP.

Applicant : STANADYNE AUTOMOTIVE CORP., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT-06095, UNITED OF AMERICA.

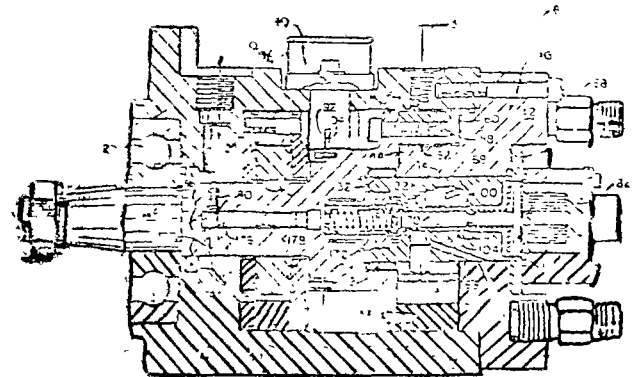
Inventors : ILDA DJORDJEVIC, U.S.A.

Application for Patent No. 283/Del/92 filed on 31st March, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

22 Claims

A fuel injection pump (2, 200) having a pump body (12, 212) with a pumping chamber (20, 220) with a plurality of plunger bores (10, 210) a plunger (14, 214) mounted in each plunger bore (10, 210) for reciprocation, with one end face of the plunger (14) facing toward the pumping chamber, (20, 212) a plurality of the plungers (14, 214) serving as pumping pistons, and a plurality of the plungers (14, 214) serving as distributor valves in sequence, a plurality of distributor outlets; (45, 267) a delivery system for delivering the high pressure charges of fuel from the pumping chamber (20, 220) to the distributor outlets; (45, 267) the delivery system comprising a plurality of distributor ports (70, 270) in the plurality of distributor outlets (45, 267) respectively, each in the plunger bore (10, 210) for connecting the plunger bore (16, 216) to the respective distributor outlet (45, 267) each plunger (14, 214) having a distributor portion (70, 270) for opening the distributor port (70, 270) for delivering a high pressure charge of fuel from the pumping chamber (20, 220) via the distributor port (70, 270) to the respective distributor outlet; (45, 267) rotary cam means (60, 262) rotatable about a cam axis for reciprocating the plungers (14, 214) to provide alternating intake & pumping phases of operation for respectively supplying an intake charge of fuel to the pumping chamber (20, 220) and delivering a charge of fuel from the pumping chamber (20, 220) at high pressure for fuel injection; control valve means (9, 269) for supplying intake charges of fuel to the pumping chamber (20, 220) during the intake phases; the rotary cam means (60, 262) being operative during each pumping phase to actuate at least one plunger (14, 214) to deliver a high pressure charge of fuel from the pumping chamber (20, 220) and to position at least one plunger (14, 214) in a distributor position thereof to distribute the high pressure charge of fuel to the respective distributor outlet; (45, 267) whereby each plunger (14, 214) in the distributor position thereof opens the respective distributor (70, 270) port for delivering a high pressure charge of fuel to the respective distributor outlet; (45, 267) characterized in that each plunger (14, 214) forms the sole means in the distributor position thereof for opening the respective distributor port (70, 270) to the pumping chamber (20, 220) adjacent said one end face of the plunger (14, 214) and delivering a high pressure charge of fuel from the pumping chamber (20, 220) directly through the plunger bore (16, 216) to the respective distributor outlet (45, 267) thereby providing a high pressure chamber with a small dead volume.



(Compl. Specn. 28 Pages;

Drwns. 3 Sheet(s))

Ind. Cl. : 32F3(b)

185184

Int. Cl.⁴ : C07C 51/16

A PROCESS FOR THE PREPARATION OF PURIFIED TEREPHTHALIC ACID CONTAINING P-TOLUIC ACID NOT MORE THAN 200 PARTS PER MILLION BY WEIGHT.

Applicant : AMOCO CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF INDIANA, UNITED STATES OF AMERICA, OF 200 EAST RANDOLPH DRIVE, CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

Inventors :

DEBRA JEAN STREICH.
DIANE JEAN GRAZIANO.
SANDRA KAY SCHILLER &
ROGER JOHN GRIMM, (USA).

Application for Patent No. 323/De/92 filed on 13-4-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A process for the preparation of purified terephthalic acid containing p-toluic acid not more than 200 parts per million by weight (ppmw) which process comprises :

- (a) introducing into a filter cell or a series of filter cells in a filtration zone at a temperature within the range of from 30°C to 205°C at a system pressure of from atmospheric to 235 psig an aqueous slurry comprising purified terephthalic acid present as crystals and p-toluic acid present as an aqueous solution and as a co-crystallized form with crystals of said purified terephthalic acid, said filter cell or series of filter cells maintained in suitable position whereby each filter cell develops a filter cake or filter cakes upon introduction of said slurry into each said cell said filter cake being at least 5 inches in depth;
- (b) transferring each said filter cell containing said filter cake from said filter zone to a wash zone;
- (c) introducing a water stream into each said filter cell to form a reservoir of water in each filter cell over said filter cake or filter cakes, wherein said water stream is at a pressure gradient of at least 0.5 psi over said system pressure and a temperature in the range of from 38°C to 205°C and wherein the depth of said reservoir of water is at least .25 inches.
- (d) washing said filter cake with water for a period sufficient to reduce concentration of p-toluic acid to equal to or less than 200 ppmw;
- (e) transferring each said filter cell containing washed filter cake to a pressure release zone wherein said system pressure is released to a range from atmospheric to 90 psig to reduce temperature of said filter cake to a temperature equal to or less than 166°C; and
- (f) discharging said washed filter cake comprising purified terephthalic acid from each said filter cell wherein concentration of p-toluic acid in said purified terephthalic acid is equal to or less than 200 ppmw.

Compl. Specn. 20 Pages;

Ind. Cl. : 154 D

185185

Int. Cl.⁴ : B 41F 1/22

MODULAR MULTIJET DEFLECTION HEAD AND A PROCESS FOR THE PRODUCTION OF THE SAME.

Applicant : IMAJE S.A., A COMPANY ORGANISED & EXISTING UNDER FRENCH LAW OF 9 RUE GASPARD MONGE 26500 BOURG LES VALENCE FRANCE.

Inventors :

ARTHUR SOUCEMARIANADIN, FRANCE.
THIERRY COLOMBAT, FRANCE.

Application for Patent No. 381/Del/92 filed on 30-4-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

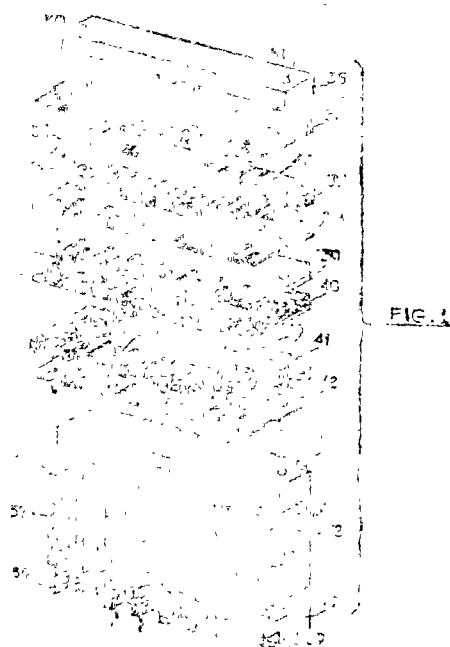
15 Claims

Modular multijet deflection head for an inkjet printing device supplying m parallel ink jets and having successively in the displacement direction of the jets, m change electrodes, m detection electrodes and m deflection electrodes comprising :

- a first plurality of elements (37, 41, 43, 44, 45) supporting the charge, detection and deflection electrodes and supply conductors for said electrodes,
- a second plurality of insulating elements (36, 38, 39, 40, 42), placed between the elements of the first plurality in order to form a compact stack in which the different electrodes are aligned in parallel to the displacement direction of the ink jets,

the elements of the first plurality, which support the charge electrodes and the detection electrodes being respectively constituted by insulating material plated (37, 41) and the elements of the first plurality supporting the deflection electrodes being constituted by at least one insulating material block,

characterized in that the plates (37, 41) of the first plurality have m parallel slots (54), having a first depth and m parallel slots (53) having a second depth smaller than the first depth and alternating with the slots of the first depth, all the slots being cut in said plates parallel to the displacement of the ink jet said slots of the second depth partially intersecting the said charges (46) and detection electrodes (48) and permitting the passage of ink jets, said slots of the first depth defining spaces between the jets to reduce interference between said jets, said supply conductors (46, 49) being carried by one face of each plate and being respectively connected to the electrodes of said plate, all the elements of the first and second pluralities having assembly surfaces solely perpendicular to the direction of said jets.



Compl. Specn. 20 Pages;

Drgns. 6 Sheets.

Ind. Cl. : 64 B 3.

185185

Int. Cl.⁴ : H 01 R 4/00.

DEVICE FOR ELECTRICAL CONNECTION.

Applicant : SOCIETE D'EXPLOITATION DES PROCEDES MARECHAL (S.E.P.M.), A FRENCH COMPANY, OF 92 AVENUE DE SAINT MANDE, 75012 PARIS, FRANCE.

Inventors :

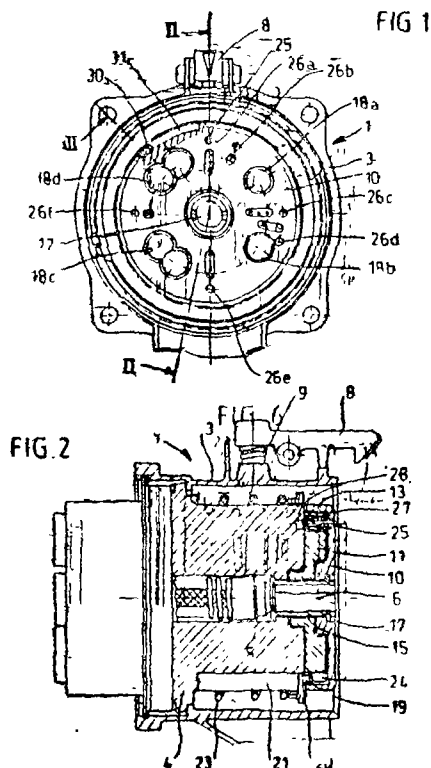
1. GILLES MARECHAL—FRANCE.
2. DIDIER BIENVENU—FRANCE.

Application for Patent No. 394/Del/92 filed on 06-05-92.

Appropriate Office for Opposition Proceedings (Rules 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

12 Claims

A device for electrical connection comprising a plug (2) with multiple contacts for engaging corresponding contacts (5, 6) of a socket (1), each of said two elements, plug and socket being constituted by a housing (7, 3) and an insulating contact carrier (4), said housings (7, 3) of said two elements carrying mating means for guiding and Locking by rotation, said housing being joinable only in a single relative angular position a safety disk (10, 10') and a complementary disk (11, 11') made of insulating material are mounted so as to pivot on the socket coaxially with the circumference on which the contacts are located, the disks being provided with openings (15, 16, 17, 18a-18d; 15', 16', 17', 18' - 18'd) for passage of the contacts of the plug, and being positioned so as to be engaged in rotation by the plug when said plug is locked on said socket from a given initial position of said safety disk and the complementary disk in which only certain contact locations are uncovered at the end of the rotational movement, this initial position of said safety disk and said complementary disk being locked by a locking system (19, 20, 23) which is disengaged when the plug is introduced into said socket, characterised in that said locking system comprises a locking protrusion (19) which engages only with said complementary disk (11, 11'); locking means (25, 25') being provided between said complementary disk (11, 11') and said safety disk (10, 10') for locking said safety disk in a plurality of pre-established angular positions relative to said complementary disk so that said safety disk is given an initial position at will by acting on said locking means.



(Compl. Specn. 16 Pages:

Drng. 6 Sheets)

Ind. Cl. : 167D.

185187

Int. Cl.⁴ : A 47 L 43/00.

DEVICE FOR DISLODGING ENTRAINING AND SEPARATING COARSE AND FINE PARTICULATE MATTER LAYERED ON A SYNTHETIC PLAYING SURFACE.

Applicant : SYNTHETIC GRASS MAINTENANCE SERVICES PTY. LTD., AN AUSTRALIAN COMPANY, OF C/-MORRIS FLETCHER & CROSS, LEVEL 7, 50 CAVILL AVENUE, SURFERS PARADISE, QUEENSLAND, AUSTRALIA.

Inventors :

1. ALLAN WILLIAM ALLAWAY, IAN BLAIR &
2. ALLAN JOHN SEEFELD (AUSTRALIA).

Application for Patent No. 408/Del/92 filed on 11-05-92.

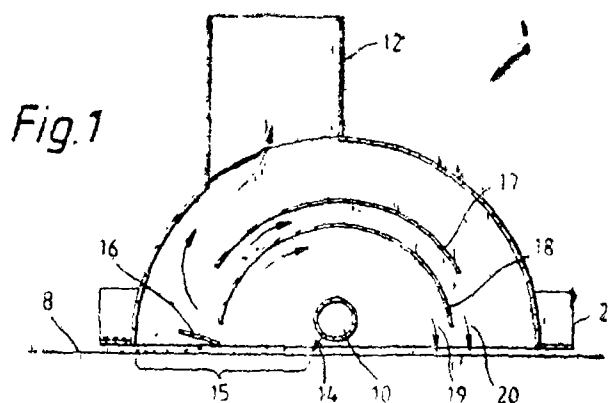
Convention date 20-5-91/(PK 6212) & 8-4-92/(PK 1471492)/(Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

12 Claims

A device (1) for dislodging, entraining and separating coarse and fine particulate matter layered on a synthetic playing surface (8), said device comprising a manifold (11) for receiving said coarse and fine particulate matter displaced from the playing surface, said manifold including a port (12) located in its upper region through which the fine, lightweight particulate matter is exhausted, and an outlet in a lower region by way of which the coarse, heavy weight characterized in that the device comprises;

a plenum chamber (10), adjacent said manifold, having a compressed air inlet (9) and at least one air outlet (13) through which air can be expelled at an inclined angle directly into the playing surface (8) so as to dislodge the coarse and fine particulate matter layered thereon and direct it into the manifold (11) which extends above the plenum chamber (10).



(Compl. Specn. 16 Pages:

Drng 4 Sheets)

Ind. Cl. : 208.

185188

Int. Cl. : C 09 D 11/02.

AN INK COMPOSITION WHICH IS SPRAYABLE IN JETS.

Applicant : IMAJE S.A. OF 9 RUE GASPARD MONGE, 26500 BOURG LES VALENCE, FRANCE.

Inventor : PIERRE DE SAINT ROMAIN.

Application for Patent No. 447/Del/92 filed on 22-05-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

An ink composition which is sprayable in jets and having the following proportions in relation to its total quantity :

- (a) zero (plus) to forty percent of one or more soluble metallic salts of the kind as herein defined;
- (b) upto forty percent of one or more solvents elected from alcohols, dimethylformamide and water ;
- (c) upto five percent of one or more organic dyes belonging to class of acid dyes and food colouring agents of which at least one said dye is visible ;
- (d) upto ten percent of one or more cellulose or phenolic resin polymers;
- (e) the rest being constituted by one or more said solvents which are more volatile than the said solvent or solvents of (b).

(Compl. Specn. 15 Pages)

Ind. Cl. : 32 E + 104 J

185189

Int. Cl.⁴ : B 29 C-51/00

A THERMOPLASTIC COMPOSITION.

Applicant : EXXON CHEMICAL PATENTS INC., A CORPORATION UNITED STATES OF AMERICA, CARRYING ON BUSINESS AS A COMPANY FOR THE HOLDING OF PATENTS AND GRANTING LICENSES THEREUNDER, AND TECHNICAL DEVELOPMENT AND RESEARCH WORK AT 1900 EAST LINDEN AVENUE, LINDEN, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors :

THOMAS CHEN-CHI YU, U.S.A.
DONALD ANDREW WHITE, U.S.A.
BHSIEN-CHANG WANG, U.S.A.

Application for Patent No. 471/Del/92 filed on 02-06-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A thermoplastic composition comprising a polymer blend of (1) 15 to 95 weight percent of a polyamide, and (2) 5 to 85 weight percent of a grafted polymer derived from (A) a copolymer selected from the group consisting of a copolymer of a C4 to C7 isomonoolefin and an alkylstyrene, a halogen-containing copolymer of a C4 to C7 isomonoolefin and an alkylstyrene, or mixtures thereof, and (B) an unsaturated organic compound selected from the group consisting of an unsaturated carboxylic acid, an unsaturated carboxylic acid derivative both of the kind such as herein described and mixtures thereof and the balance, if any, comprising one or more components selected from the group consisting of a filler, a rubber compounding additive, rubber processing oils and plasticizers.

Compl. Specn. 28 Pages;

Drgn. Sheets.

Ind. Cl. : 55 D

185190

Int. Cl.⁴ : A 01 N 25/08

A PROCESS FOR THE PREPARATION OF A COMPOSITION OF KILL COCKROACHES.

Applicant : THE CHIEF CONTROLLER OF RESEARCH AND DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, TECHNICAL COORDINATION DTE. B-341, SENA BHAWAN, DHQ. P.O. NEW DELHI.

Inventors :

KARUMURU MALLIKARJANA RAO, INDIA.
DR. SHRI PRAKASH, INDIA &
SHRI SANTOSH KUMAR, INDIA.

Application for Patent No. 497/Del/92 filed on 11th June, 1992.

Complete left after Provisional Specification filed on 4-06-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of a composition to kill cockroaches comprising mixing 25 to 5 parts toxicant with 25 to 28 parts sugar, adding 45-55 parts of wheat flour as a filler 2-3 parts suspending agent, 8 to 10 parts feeding stimulant and 3. 5-5 parts lubricant to said mix of toxicant and sugar, sieving said mixture through a sieve of 100 mesh size, adding water and permissible colour to said mix so as to moist the mixture, subjecting said mixture to the step of drying and granule formation, adding 4 to 5 parts flavouring agent and .25 to .5 parts attractant and then 2-3 parts of emulsifying agent and 500 ppm of preservative were mixed with said mixture.

Provl. Specn. 11 Pages;

Drgn. Sheet Nil.

Compl. Specn. 12 Pages;

Drgn. Sheet Nil.

Ind. Cl. : 70 A

185191

Int. Cl.⁴ : C22 B. 1/248

AN APPARATUS FOR THE MANUFACTURE OF A MASS OF ETCHED METAL.

Applicant : STELCO INC., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF CANADA, OF STELCO TOWER, P.O. BOX 2030, HAMILTON, ONTARIO, CANADA L8N 3T1.

Inventors :

JOHN HAMILTON KELLY, CANADA.
LEONARD EVAN GUEST, CANADA.

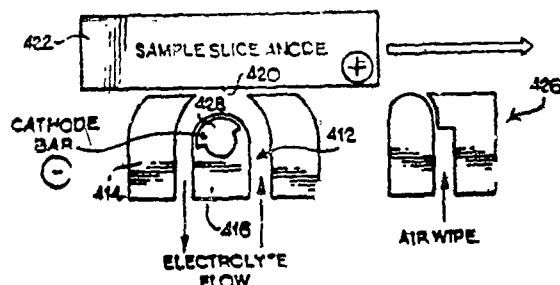
Application for Patent No. 0693/Del/92 filed on 05-08-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

An apparatus for the manufacture of a mass of etched metal of generally rectangular shape characterized in that the said apparatus comprises a transport means for receiving the mass of metal and transporting said mass through the said apparatus in a rectilinear substantially horizontal path; etch station means comprising an elongate electrode mounted transverse to said rectilinear path and etchant applying means is provided for applying etchant to the smooth surface of said mass when located in said etch station means, electric power means is provided for applying a positive electrical potential to said mass and a negative electrical potential to said elongate electrode to cause current to flow there between when etchant is applied to the smooth surface of said mass; wash station means comprising cleaning solution application means for applying a cleaning solution to the etched surface of said mass when located in said wash station means; a first position sensing means for activating said etchant applying

means when said mass transport means enters said etch station means and a second position sensing means for activating said cleaning solution application means when said mass transport means enters said wash station means.



Compl. Specn. 35 Pages;

Drgns. Sheets 6.

Ind. Cl. : 39L

185192

Int. Cl.⁴ : C 01G, 27/02

AN IMPROVED PROCESS FOR THE PREPARATION OF A SOL USEFUL FOR THE PREPARATION OF CRYSTALLINE ZIRCONIUM OXIDE FIBRES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

DR. MINATI CHATTERJEE, INDIA.
MILAN KANTI NASKAR, INDIA.
DR. DIBYENDU GANGULI, INDIA.

Application for Patent No. 805/Del/92 filed on 8-9-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

An improved process for the preparation of a sol useful for the preparation of crystalline zirconium oxide fibres which comprises :

- (i) dissolving zirconyl chloride in water for obtaining a clear solution;
- (ii) precipitating zirconium as hydrous zirconium oxide with ammonia solution;
- (iii) filtering and washing the precipitate with water to remove the electrolytes;
- (iv) adding glacial acetic acid to the filtered cake for obtaining an acetate solution;
- (v) mixing dopant cations such as Ca^{2+} , La^{3+} , Ce^{4+} in the form of their soluble salts equivalent to 2 to 20 mol% of their oxide with the zirconium acetate solution obtained in step (iv);
- (vi) adding 10 to 20 mol% of hydrogen peroxide (H_2O_2) to the mixed solution at ice-cold temperature and ageing the sol thus obtained at ambient temperature for 12 to 25 hrs. and
- (vii) further ageing the sol at a temperature in the range of 40°–60°C to attain the proper fiberizability.

Compl. Specn. 16 Pages;

Drgn. Sheet Nil.

Ind. Cl. : 32E, 1A, 152E, 152F.

185193

Int. Cl.⁴ : C 08L 63/00.

SOLID COMPOSITIONS OF POLYGLYCIDYL COMPOUNDS AND A PROCESS FOR PREPARATION THEREOF.

Applicant : CIBA-GEIGY AG., A SWISS CORPORATION OF KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

Inventors :

1. JACQUES-ALAIN COTTING, SWITZERLAND.
2. PHILIPPE-CULHAUME GOTTIS, FRANCE.

Application for Patent No. 811/Del/92 filed on 09-09-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

A solid composition of polyglycidyl compounds comprising :

(a) from 95 to 55 percent by weight of the total of polyglycidyl compounds in the composition of a polyglycidyl compound having a molecular weight of less than 1500 that is solid at ambient temperature or a mixture of such solid polyglycidyl compounds; and

(b) from 5 to 45 percent by weight of the total of polyglycidyl compounds in the composition of a polyglycidyl compound having a molecular weight of less than 1500 that is liquid at ambient temperature or a mixture of such liquid polyglycidyl compounds;

wherein at least a portion of the polyglycidyl component (a) is present in said composition in the form of a solid mixed phase or a mixture of solid mixed phases which contain substantially the total amount of polyglycidyl component (b) that is present in the composition; and wherein the solid polyglycidyl compounds are selected from diglycidyl ethers and diglycidyl ethers and the liquid polyglycidyl compounds are selected from polyglycidyl ethers and polyglycidyl ethers having at least three glycidyl groups per molecule.

(Compl. Specn. 28 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 55E4

185194

Int. Cl.⁴ : C 07 F 7/22 & A 61 K 31/32

A PROCESS FOR THE PREPARATION OF COMPLEXES OF ORGANOTIN COMPOUNDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

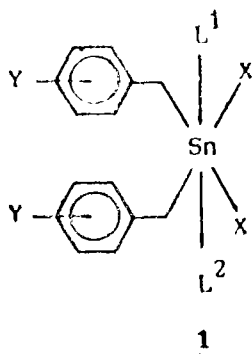
PURNIMA MUNGALASHETTY SAMUEL,
PRAKASH VAMANRAO DIWAN,
PANJA KANTA RAO.
UDAY TRIAMBAK BHALERAU &
SUJIT ROY.

Applicatoin for Patent No. 2462/Del/95 filed on 29-12-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

A process for the preparation of complexes of organotin compounds of the formula 1



this specification where, Y represents hydrogen, substituted or unsubstituted alkyl, alkoxy and halo groups; X represents a halogen atom or isothiocyanate group and L¹/L² represent a monodentate/bidentate ligand with heteroatom donor such as sulfur, oxygen or nitrogen except phenanthroline useful as cytotoxic agents which comprises of refluxing tin metal powder/turnings with aralkyl halides in the presence of a non-polar and non-halo organic

solvent to yield aralkyl dihalide, optionally treating the dihalide with alkali metal thiocyanate to yield diaralkyltin diisothiocyanate then treating the diaralkyl tin dihalide/diisothiocyanate with respective mono/bidentate ligand in the presence of same solvent used above at a temperature in the range of 25–60°C and separating the complexes of organotin compound of the formula 1 by conventional methods.

(Compl. Specn. 14 Pages;

Drng. 1 Sheet)

Ind. Cl. : 55 F4 & 60 X (2d).

185195

Int. Cl.⁴ : A 61 K, 31/23 & C 11 C 3/00.

A PROCESS OF PREPARING AT LEAST ONE IODINATED FATTY ACID OR AT LEAST ONE IODINATED FATTY ACID ESTER OR IODINATED DERIVATIVES THEREOF.

Applicant : LOUIS JUNG, A FRENCH CITIZEN OF 205 ROUTE D'OVERHAAUSBERGEN, 67200 STRASBOURG, FRANCE AND YVES INGENBLEEK, A BELGIAN CITIZEN OF 24 BOULEVARD D'ANVERS, 67000 STRASBOURG, FRANCE.

Inventors :

1. LOUIS JUNG—FRANCE AND
2. YVES INGENBLEEK—FRANCE.

Application for Patent No. 1552/Del/96 filed on 11th July, 1996.

Convention Application No. 9508582/FR/11-7-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A process of preparing at least one iodinated fatty acid or at least one iodinated fatty acid ester or iodinated derivatives thereof comprising reacting an alkaline iodide with an alkylsilvlate reagent in an organic medium such as herein before described giving rise in situ, in the presence of water, to hydroiodic acid reacting with the fatty acid(s), the fatty acid ester(s) or derivatives thereof in such a way that all the double bonds initially present in the fatty acid(s) or fatty ester(s) or derivatives thereof are saturated in iodine in a proportion of one molecule of hydroiodic acid per double bond.

(Compl. Specn. 12 Pages;

Drng. Sheet Nil)

Ind. Cl. : 55D, 60x(i)

185196

Int. Cl.⁴ : A 01 N 25/00

"A PROCESS FOR PREPARING A PESTICIDAL COMPOSITION".

Applicant : ECOSMART TECHNOLOGIES, INC., OF 318 SEABOARD LANE, SUITE 202, FRANKLIN, TN 37067, U.S.A. A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventors :

- STEVEN M. BESSETTE—U.S.A.
- ARTHUR M. KNIGHT—U.S.A.

Application for Patent No. 1698/Del/96 filed on 30-7-96.

Convention date 7-6-96/08/657,585/U.S.A.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A process for preparing a pesticidal composition comprises mixing 0.1% to 10% by weight of the composition a neurally effective substance as a six member carbon ring structure with the carbon ring being substituted by at least one oxygenated functional group having the chemical structure represented by the formula



wherein R₁ is any of the following :

OH, CH₂OH, C₂H₄OH, C₃H₆OH, C₃H₄OH, C₄H₈OH OR C₄H₄ OH

Where R₂ is any of the following :

H, H₂, CH₃, C₂H₅, C₃H₇, C₃H₅, C₄H₉ OR C₄H₅

Where R₃ is any of the following :

H, H₂ or OCH₃, and where the six member ABCDEF has at least one unsaturated bond therein;

With a carrier selected from the group consisting of aerosols, solvents, emulsions and dusts or powder.

(Compl. Specn. : 42 Pages;

Drwng. Sheet : Nil)

Ind. Cl. : 55E, 55F4.

185197

Int. Cl.⁴ : A 61 K 31/00.

AN IMPROVED PROCESS FOR ISOLATION OF A NEW HIGHLY SPECIFIC 9-O-ACETYLATED SIALOGLYCOPOLYMER BINDING LECTIN (ACHATININ - H) .

Applicant : CCUCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT

Inventors :

- 1 DR. CHITRA MANDAL—INDIA
- 2 DIVIYA SINHA—INDIA
3. DILIP KUMAR BHATTACHARYA—INDIA

Application for Patent No. 2509/Del/96 filed on 15-11-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

An improved process for isolation of a new highly specific 9-O-acetylated sialoglycoconjugate binding lectin (Achatinin-H) which comprises dialyzing the supernatant obtained by centrifuging the settled haemolymph of *Achatina fulica* snail using a known buffer such as herein described preferably citrate buffer containing calcium at a pH in the range of 8 and 9 and the temperature in the range of 10–15°C, passing the dialyzed supernatant through an affinity column containing a 9-O-acetylated sialo-glycoprotein washing the column using the same buffer and eluting the said lectine with the same buffer but without calcium at a pH 8-9.

(Compl. Specn. 19 Pages

Drng. Sheet : Nil)

Ind. Cl. : 32F (2b)

185198

Int. Cl.⁴ : C 07 D, 321/10

"A PROCESS FOR THE PREPARATION OF SODIUM-p-(12 β-DIHYDROARTEMISININOXY) METHYL BENZOATE (SODIUM-β-ARTELINATE).

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, (INDIA).

Inventor(s) :

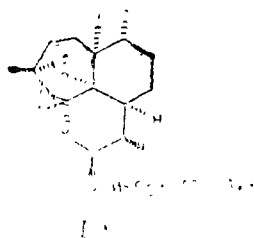
MEENAKSHI SHRIMALI—INDIA
ASISH KUMAR BHATTACHARYA—INDIA,
RAJENDRA SINGH BHAKUNI—INDIA,
DHARAM CHAND JAIN—INDIA,
RAM PRAKASH SHARMA—INDIA.

Application for Patent No. 2618/Del/96 filed on 29-11-96.

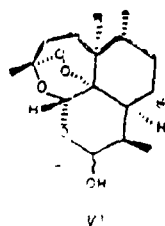
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

2 Claims

An improved process for the preparation of sodium-p-(12-β-dihydroart-emisininoxy) methyl benzoate (sodium-β-artelinate) of the formula (I)



of the drawing accompanying the specification where R represents Na which comprises reacting dihydroartemisinin of formula (V)



with methyl-p-(hydroxymethyl) benzoate in dry benzene in presence of chlorotrimethyl silane (CFMS) and subsequently hydrolysing by known methods into acid then grinding with sodium carbonate to give sodium-p-(12 β dihydroartemisininoxy methyl) benzoate.

(Compl. Specn. : 10 Pages;

Drwng. Sheet : 1)

Ind. Cl. : 60 x, 2a

185199

Int. Cl.⁴ : C 07 C, 43/30

"A PROCESS FOR THE PREPARATION OF ESTRA-5(10), 9(11)-DIEN-3ONE-17 β-HYDROXY-17-(3-METHYL-1-BUTYNYL)-CYCLIC-3-(1, 2-ETHANEDIYL) ACETAL".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) :

BRAJA GOPAL HAZRA—INDIA.
VANDANA SUDHIR PORE—INDIA.
PADMAKAR LAXMAN JOSHI—INDIA.
SOURAV BASU—INDIA.

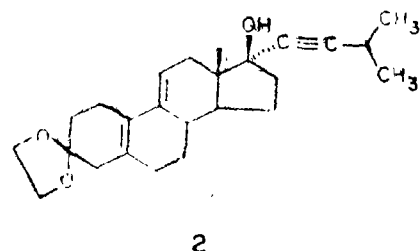
Kind of Application—Complete.

Application for Patent No. 2965/Del/96 filed on 27-12-96.

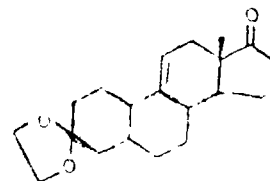
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the preparation of estra-5(10), 9(11)-dien-3-one-17 β-Hydroxy-17-(3-methyl-1-butylyl)-cyclic-3-(1 2-ethanediyl) acetal of formula 2



of the drawing accompanying the specification, which comprises generating 3-methyl-1-butylyl lithium by the addition of butyl lithium by the addition of butyl lithium to the solution of 1, 1-dibromo-3-methyl-1-butene in organic solvent at a temperature ranging from –50°C to –60°C, maintaining the reaction mixture at a temperature of –60°C to –40°C for a period in the range of 1 to 2 hours, adding to this resultant mixture a solution of compound having structural formula 1



at a temperature ranging between –40°C to 0°C, stirring the mixture for a period ranging from 1 to 2 hrs at a temperature in the range –10°C to 0°C, quenching the reaction mixture with a quenching agent such as NH₄Cl, HCl extracting the product in organic solvent, separating the organic layer

and removing the solvent by evaporation below room temperature under vacuum, further purifying the crude product obtained by column chromatography using silica gel column to obtain the compound of the formula 2.

(Complete Specification 8 Pages Drawing Sheet-1)

Ind. Cl. : 32 F (2b) 185200

Int. Cl.⁴ : C 07 G 5/00.

AN IMPROVED PROCESS FOR THE EXTRACTION OF EPHEDRINE HYDROCHLORIDE FROM EPHEDRA GERARDIENA.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) : VIJAY KUMAR MEHTA, VISHWAPPAUL, SHRI NIWAS GARG, SUSHIL KUMAR— All are Indian Citizens.

Application for Patent No. 432/Del/97 filed on 21-02-97.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

7 Claims

An improved process for the extraction of ephedrine hydrochloride from Ephedra gerardiana which comprises steam distilling powdered ephedra herb in presence of alkali and adjusting the pH of the distillate in the range of 4.5 to 6.5, concentrating the said distillate and adjusting pH in the range of 7 to 10 then saturating with sodium chloride and extracting with organic solvent, such as herein described removing the said solvent to obtain crude alkaloids then treating with alcoholic hydrochloric acid in conventional manner followed by crystallisation to obtain ephedrine hydrochloride.

Complete Specification 12 Pages Drawing Sheet Nil.

Ind. Cl. : 34 A 185201

Int. Cl.⁴ : D 01 D 5/16.

AN APPARATUS FOR DRAWING TAPE/FILAMENT.

Applicant : THE SECRETARY, DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA, TECHNOLOGY BHAVAN, NEW MEHRAULI ROAD, NEW DELHI-16.

Inventor(s) : BASANTI LAL DEOPURA, SUNIL MAHAJAN, KASINATH BHUMIK, TRILOK RAJORA— All are Indian Citizens.

Application for Patent No. 509/Del/92 filed on 15-6-92

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

11 Claims

An apparatus for drawing tape/filament comprising :

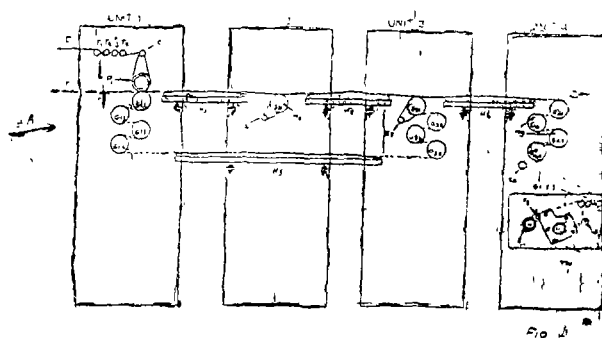
- (i) First cluster of godets provided on the feed side of the first working plane,
- (ii) a second cluster of godets being provided on the delivery side of the third working plane,
- (iii) heating means disposed between said first and second cluster of godets being provided for heating the tape drawn by said cluster of godets,

(iv) first motive source being provided for rotating said first cluster of godets.

(v) a second motive source being provided for rotating said second cluster of godets at a speed higher than said first cluster of godets.

(vi) setting means being provided for setting the orientation and draw of said tape/filament.

(vii) a tape/filament winding means being provided at the delivery side for winding of said drawn tape/filament.



Complete Specification 15 Pages

Drawn Sheet 1

Ind. Cl. : 130 F

185202

Int. Cl.⁴ : C 22 B-5/08.

A PROCESS FOR THE PRODUCTION OF PURIFIED TUNGSTEN CONCENTRATES BY REMOVAL OF SILICA AND SULPHUR FROM 0.5 GRADE TUNGSTEN CONCENTRATES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) : ANIL KUMAR SAHA, ZAHID HUSAIN KHAN, PREMCHAND, DWARKANATH DTTARAM AKERKAR. ALL ARE INDIAN CITIZENS.

Application for Patent No. 534/Del/92 filed on 18-6-92.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5

4 Claims

A process for the production of purified tungsten concentrates by removal of silica and sulphur from low grade tungsten concentrates which comprises,

- (i) grinding of low grade tungsten concentrates in the size range of -60 to -300 mesh B.S.S.,
- (ii) mixing the said low grade tungsten concentrates with varied amount of hydrofluoric acid in the range of 10 to 50% by volume of concentrates,
- (iii) curing the said mixture at ambient temperature for period in the range of 6 to 30 hours,
- (iv) diluting the slurry obtained in step (iii) with water.
- (v) decanting and subsequent filtering the said diluted slurry or the solid-liquid separation,
- (vi) washing the said tungsten concentrates thoroughly with water to free it from acid,
- (vii) drying the said tungsten concentrates in the temperature range of 120°C for a period of 4 hours,
- (viii) roasting the said desilicated tungsten concentrates in the temperature range of 600 to 850°C for a period of 1 to 4 hours for the removal of sulphur as sulphur dioxide to obtain purified tungsten concentrates.

Compl. Specn. 12 Pages

Drng. Sheet Nil

Ind. Cl. : 35 A

185203

Int. Cl.⁴ : C 04 B-35/02**PROCESS FOR PRODUCING A CERAMIC WELD COMPOSITION.**

Applicant : COAL INDUSTRY (PATENTS) LIMITED,
OF HOBART HOUSE, GROSVENOR PLACE, LONDON
SW1X 7AE, UNITED KINGDOM.

Inventors :

LESLIE ERNEST JOHN TUCKER, U.K.
KEVIN DUNDERDALE, U.K.
DAVID KENNETH HURRAN, U.K.
ROBERT GEOFFREY EVERITTE, U.K.

Application for Patent No. 537/Del/92 filed in 19-06-92.

Convention Application No. 9113365.2/U.K./20-06-91
91133702/U.K./20-06-91.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office Branch, New Delhi-
110005.

9 Claims

A process for producing a ceramic weld composition, said process comprising projecting a mixture of refractory particles of the kind such as herein described and conventional particles oxidisable metal with an oxygen-containing gas through a lance to a surface where oxidisable particles react exothermally to cause at least partial fusion of the other particles of the mixture, both with themselves and with the surface to form a ceramic weld composition, characterised in that the harmonic means size as defined herein of the refractory particles is between 300 and 1000 microns inclusive, and the size range, spread factor as defined herein of the refractory particles is between 0.4 and 1.1 inclusive.

Compl. Specn. 14 Pages;

Drgns. Sheets Nil.

Ind. Cl. : 197 G

185204

Int. Cl.⁴ : G 68 C-13/00**AN OPTICAL DISC AND A METHOD FOR THE MANUFACTURE THEREOF.**

Applicant : SONY CORPORATION, A JAPANESE COMPANY, OF 7-35, KITASHINAGAWA 6-CHOME SHINAGAWA-KU TOKYO, JAPAN.

Inventors :

KENJI TAKAHASHI, JAPAN.
SACHIYA CHIBA, JAPAN.
DAIKI KOBAYASHI, JAPAN.

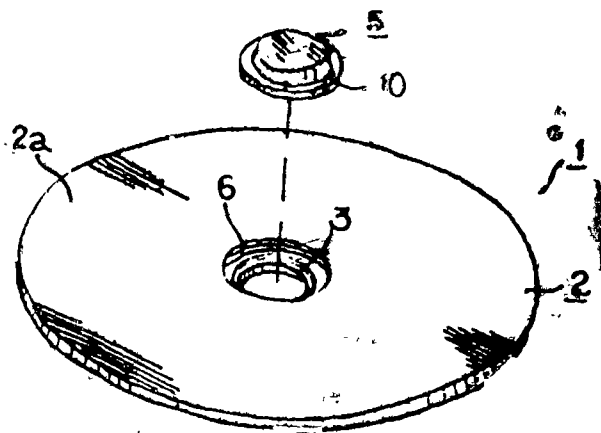
Application for Patent No. 550/Del/92 filed on 23-06-92.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office Branch, New Delhi-
110005.

13 Claims

An optical disc comprising a disc substrate (2) having two major surfaces and a centre hole co-axial with a radial center of said disc substrate; a magnetic member covering said center hole at one major surface of said disc substrate characterized by an annular recess (6) in said one major surface (2a) of said disc substrate (2), said magnetic member (5) located in said recess (6) in said disc substrate (2) to block said center hole (3); said magnetic member (5) being in the form of a metal plate (5) having a central planar major portion (5a) at the same level with said one major surface (2a) of said disc substrate (2) having said recess (6); said disc substrate (2) having one or more lugs (11) protruding radially inwardly from said major surface (2a) toward inside of said

recess (6) and over an outer rim (10) of said metal magnetic member (5) to capture said magnetic member (5) within said recess (6).



Compl. Specn. 32 Pages;

Drgns. 9 Sheets.

Ind. Cl. : 152 F

185205

Int. Cl.⁴ : C 08 L - 23/06**POLYMERIC COMPOSITIONS.**

Applicant : SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, AN INDIAN INSTITUTE OF 19 UNIVERSITY ROAD, DELHI-110007, INDIA.

Inventors :

MOHAMMAD QAMAR PARWEZ, INDIA.
RAJINDER KUMAR DIWAN, INDIA &
ASHOK KUMAR JUGRAN, INDIA.

Application for Patent No. 589/Del/92 filed on 10th July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office Branch, New Delhi-
110005.

8 Claims

A polymeric composition comprising 65% to 85% of high density polyethylene of GA, GC series and 15 to 35% of ethylene vinyl acetate modifier of the kind as herein described in the form of a blended mix, and wherein said high density polyethylene comprises a mix of virgin and runner resin.

Compl. Specn. 9 Pages;

Drgn. Sheet Nil.

Ind. Cl. : 152 F

185206

Int. Cl.⁴ : C 08 L - 23/06**POLYMERIC COMPOSITIONS.**

Applicant : SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, AN INDIAN INSTITUTE OF 19 UNIVERSITY ROAD, DELHI-110007, INDIA.

Inventors :

MOHAMMAD QAMAR PARWEZ, INDIA.
RAJINDER KUMAR DIWAN, INDIA &
ASHOK KUMAR JUGRAN, INDIA.

Application for Patent No. 590/Del/92 filed on 10th July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A polymeric composition comprising 65% to 85% of high density polyethylene (HDPE) of the kind as herein described and 15% to 35% of linear low density polyethylene (LLDPE) in the form of a blended mix, wherein said high density polyethylene (HDPE) comprises a mix of virgin and runner resin.

(Compl. Specn. 9 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 152 F

185207

Ind. Cl.⁴ : C 08 L - 23/06

POLYMERIC COMPOSITIONS.

Applicant : SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, AN INDIAN INSTITUTE OF 19 UNIVERSITY ROAD, DELHI-110007, INDIA.

Inventors :

MOHAMMAD QAMAR PARWEZ, INDIA.

RAJINDER KUMAR DIWAN, INDIA &

ASHOK KUMAR JUGRAN, INDIA.

Application for Patent No. 591/Del/92 filed on 10th July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A polymeric composition comprising 65% to 85% of high density polyethylene (HDPE) of the kind as herein described and 15% to 35% of ethylene vinyl acetate (EVA) of the type described herein in the form of a blended mix, wherein said high density polyethylene comprises a mix of virgin and runner resin.

(Compl. Specn. 9 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 152 F

185208

Ind. Cl.⁴ : C 08 L - 23/06

POLYMERIC COMPOSITIONS.

Applicant : SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, AN INDIAN INSTITUTE OF 19 UNIVERSITY ROAD, DELHI-110007, INDIA.

Inventors :

MOHAMMAD QAMAR PARWEZ, INDIA.

RAJINDER KUMAR DIWAN, INDIA &

ASHOK KUMAR JUGRAN, INDIA.

Application for Patent No. 592/Del/92 filed on 10th July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A polymeric composition comprising 65% to 85% of high density polyethylene of the kind as herein described and 15% to 35% of linear low density polyethylene of the kind as herein described in the form of a blended mix.

(Compl. Specn. 9 Pages;

Drgn. Shet Nil).

Ind. Cl. : 32C

185209

Int. Cl.⁴ : C 07C 17/06

PROCESS FOR THE PREPARATION OF PURIFIED 1, 1, 1, 2-TETRAFLUOROETHANE.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC. A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF ENGLAND.

Inventors :

CHARLES JOHN SHIELDS, ENGLAND.

ADRIAN SEYMOUR SWINDELLS, ENGLAND.

Application for Patent No. 601/Del/92 filed on 13-7-92.

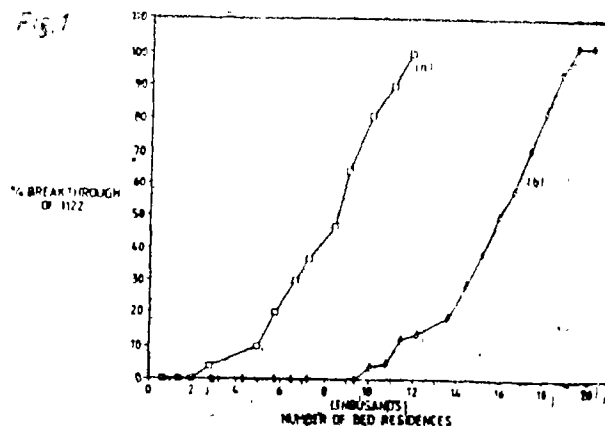
Convention date 2-8-91/9116777.5/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

A process for the preparation of purified 1, 1, 1, 2-tetrafluoroethane comprising :

contacting 1, 1, 1, 2-tetrafluoroethane containing 1-chloro-2, 2-difluoroethylene with a zeolite having a mean pore size in the range from 3.5^oA to 4.8^oA, said zeolite being selected from the group comprising; (9) a zeolite having potassium as the predominate counter ion; (b) potassium cation-exchanged erionite, (c) potassium cation-exchanged offroite and (d) potassium cation-exchanged chabazite.



(Complete Specn. 14 Pages;

Drgn. Sheet 1).

Ind. Cl. : 60F

185210

Int. Cl.⁴ : A 47D 13/10

STRIPPING MACHINE.

Applicant : HARTALEGA INDUSTRIES SDN. BHD. A COMPANY INCORPORATED IN MALAYSIA, OF NO. 9 JALAN KANAN, TAMAN KEPONG INDUSTRIAL ESTATE, 52100 KUALA LUMPUR, MALAYSIA.

Inventors : KAM HON KUAN, MALAYSIA.

Application for Patent No. 604/Del/92 filed on 14-7-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A stripping machine for stripping latex and other dipped gloves (4) from formers (12) characterised by the machine consisting of :

(a) two or more stripping (6) tools and cylinders which effect movement of said tools, both stripping (6) tools and cylinders (8) are mounted on a bracket (9) and are arranged in pairs opposite each other whereby the said bracket (9) is affixed to a sliding table and is mounted for movement parallel to the former (12) on which said glove (4) is formed;

(b) air jets (7) that release a short air blast which causes the formed glove (4) to be lifted off the former (12) and turned back onto the heads of the stripping (6) tools.

Compl. Specn. 8 Pages ;

Drgns. Sheets 6

OPPOSITION PROCEEDINGS

An opposition entered by M/s. TVS SUZUKI LIMITED, Chennai to the grant of a patent to the application No. 177631 (661/Cal/90) has been dismissed and the application for patent has been ordered to proceed for sealing.

CLAIM UNDER SECTION 20(1) OF THE PATENT'S ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 the application for Patent No. 980/Cal/95 (183967) made by HOECHST AKTIENGESellschaft has been allowed to proceed in the name of CLARIANT GMBH.

AMENDMENT PROCEEDING UNDER SECTION 57

The amendments proposed by E.I.DU PONT DE NEMOURS & COMPANY, in respect of patent application No. 180003 (760/Cal/93) as advertised in Part-III, Section 2 of the Gazette of India on 23-10-99 and no opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by INTERDIGITAL TECHNOLOGY CORPORATION, in respect of patent application No. 181867 (610/Cal/94) as advertised in Part-III, Section 2 of the Gazette of India on 20-3-99 and no opposition being filed within the stipulated period, the said amendments have been allowed.

Notice is hereby given that OLE-BENDT RASMUSSEN a Danish Citizen, of Obersecki 5, CH-6318 Walchwil, Switzerland have made an application under Section 57 of the Patents Act, 1970, for Amendment of application and application of their application for patent No. 1154/Mas/97 (183953) for "A METHOD AN APPARATUS FOR MANUFACTURING A BIAXIALLY STRETCHED ELONGATED WEB OF POLYMERIC SHEET MATERIAL".

The amendments are by way of correction. The application for amendment and the proposed amendment can be inspected free of charge at the Patent Office Branch, C Wing, C-4 'A' Rajaji Bhavan, Chennai-90 copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form 14 within 3 months from the date of notification at the Patent Office Branch, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that M/s. A. Ahlstrom Corporation, A Finnish Corporate body, FIN-29600 Noormarkku, Finland have made an application under Section 57 of the Patents Act, 1970, for amendment of application and application of their application for patent No. 244/Mas/94 (184202) for An apparatus for cleaning a filter drum of a drum filter.

The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, C wing, C-4 'A' Rajaji Bhavan, Besant Nagar, Chennai-90 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of opposition on prescribed form 14 within 3 months from the date of Notification at the Patent Office Branch, Madras-2. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 179460 granted to Sham Alloys Pvt. Ltd. for an invention relating to a process for the manufacture of ferro Silicon magnesium from liquid ferro silicon & a crucible tar carrying out the said process.

The Patent ceased on the 8-1-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18-11-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 2-2-2001 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within two months from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 181087 granted to Dr. Sundaresan Ramachandran & Mr. T. V. Suresh for an invention relating to an apparatus for slag chilking.

The Patent ceased on the 14-10-99 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 25-11-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14, in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700020 on or before the 2-2-2001 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within two months from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 183033 granted to ASHOK PATIL for an invention relating to a process of preparing reuter in antibiotic.

The Patent ceased on the 3-8-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18-11-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building 5th, 6th and 7th floor, 234/4,

Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 2-2-2001 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within two months from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 183034 granted to ASHOK PATIL for an invention relating to a process of preparing the therapeutic preparations for reduction of acute diarrhea symptoms or for stopping dehydration of Mammals & in particular young patients.

The Patent ceased on the 3-8-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18-11-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 2-2-2001 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within two months from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 183035 granted to ASHOK PATIL for an invention relating to a process of manufacturing cryptosporidium reducing therapeutic concentration.

The Patent ceased on the 3-8-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18-11-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 2-2-2001 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within two month from the date of the notice.

RENEWAL FEES PAID

173001 173002 173005 173024 173025 173027 173028 173029
173039 173049 173067 173080 173086 173087 173113 173123
173774 173771 173770 173765 173755 173753 173751 173739
173726 173714 173700 173698 173694 173832 173828 173803
173809 173800 173789 173780 173849 173853 173861 173862
173876 173878 173904 173909 173923 173924 173933 173936
173937 173925 173525 173527 173528 173556 173557 173560
173540 175005 174997 173848 173963 173938 173982 174001
174007 174012 174017 174018 174846 174826 174822 174796
174787 174785 174784 174780 174738 174730 174985 174978
174941 174934 174909 174908 174907 174903 174900 174887
174881 174871 174854 174618 174615 174657 174651 174648
174645 174641 174634 174633 174630 174626 174624 174622
174620 174725 174724 174553 174720 174700 174696 174609
174594 174585 174584 174580 174575 174563 174562 174676
174672 174508 174507 174486 174483 174482 174442 174441
174422 174403 174364 174552

THE DESIGNS ACT 1911 SECTION 63 DESIGN ASSIGNMENT

The following Design stands in the name of PORANUNT CO. LTD., has now been assigned to Moldtek Plastics Ltd., and the same has been entered in Register of Design.

Design No., Class & Name

168676 3. Moldtek Plastics Limited, having its principle address of Business at 303, C-Block 7-1-27, Srinivasa Complex, Ameerper, Hyderabad, India.

RENEWAL FEES PAID

166310 183498 183499 173514 173515 173732 182894 183477
176901 176940 167773 183481 181789 182181 173175 183495
183493 183471 179505 171892 181730 178852 176394 176398
178059 178403 179243 182395 181907 183472 171068 176965
183163 183159 183454 167969 182157 183480 182965 182898
182968 171188 181452 169911 174421 166806 166804 167523
171565 175427 175480 175759 176252 177163 178723 178854
179181 179401 181831 183476 181833

PATENT SEALED ON 03-11-2000

183705 183811* 183812 183816 183818 183819 183822*D
183823*D 183824*D 183825*D 183826*D 183827*F
183829*D 183830*D 183833* 183834 183835 183836*
183838*D 183841*D 183842*D 183843*D 183844*D
183845*D 183846*D 183848*D 183849*D 183850* 183851*F
183852* 183853* 183854 183855* 183857 183859

CAL—06, DEL—13, MUM—NIL, CHEN—16

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in section 50 of the Design Act, 1911.

The date shown in the each entries in the date of the registration included in the entries.

Class 1. No. 182807, Venus Industries, an Indian Company of B-6, Mayapuri Industrial Area, Phase-II, New Delhi-110064, India, "DAUBLE-PIN BOX STITCHING MACHINE". 5th July, 2000.

Class 1. No. 182024, Hifjur Rehman, Trading as Decent Engineering Works, an Indian Proprietary Concern, 4840, Darjiyan Street, Bara Hindu Rao, Delhi-110006, (India), "JOINT". 4th April 2000.

Class 1. No. 182085, Bajaj Electricals Ltd., an Indian Company, Office at 45/47, Veer Nariman Road, Mumbai-400023, Maharashtra, "AIR COOLER". 12th April 2000.

- Class 1. No. 182117. Mrs. Meera Bhatnagar, A-99, Ashok Vihar, Phase-II, Delhi-110052, India, an Indian National. "RICKSHOW". 13th April 2000.
- Class 2. No. 182167. Precious Metal Craft, P-2, Viswakarma Jyoti, Subhash Lane Daftari Road, Malad (E), Mumbai-400097, Maharashtra, (India). "TRI-ANGULAR CARTON". 24th April 2000.
- Class 3. No. 182173. Colgate-Palmolive Company, a Delaware Corporation, 300 Park Avenue, New York, New York-10022, USA. "TOOTH BRUSH". 25th April 2000.
- Class 3. No. 182286. National Plastics, an Indian Company of 91, Basant Avenue, Amritsar-143001, Punjab, India. "PULL UP CAP". 9th May 2000.
- Class 3. No. 182285. National Plastics, an Indian Company of 91, Basant Avenue, Amritsar-143001, Punjab, India. "LIQUID DISPENSER". 9th May 2000.
- Class 3. No. 182145. Colgate-Palmolive Company, a Delaware Corporation, 300 Park Avenue, New York, New York-10022, U.S.A. "TOOTHBRUSH". 19th April 2000.
- Class 3. No. 182175. Eveready Battery Company, Inc., a Corporation Organised and Existing under the Laws of the State of Delaware, U.S.A., of Checkerboard Square, St. Louis Missouri, 63164, U.S.A. "FLASHLIGHT". 28th October 1999.
- Class 5. No. 181991. Eveready Battery Company, Inc., A Corporation of the State of Delaware, of 25225, Detroit Road, West Lake, Ohio 44145-0616, U.S.A. "BATTERY PACKAGE". 30th March 2000.
- Class 8. No. 182273, 182274 & 182275. Rileys Limited, of No. 53/6 St. Jude's Mawatha, Mahabage, Sri Lanka, an Sri Lankan Company. "TEDDY BEAR BOOTWIPER/BOOTSCRAPER". 9th May 2000.
- Class 12. No. 182367. Atco Healthcare Limited, a Company Incorporated in India under the companies Act, 1956 and having its registered office at plot No. 2, Kurla Industrial Estate, Nari Seva Sadan Road, Narayan Nagar, Off L.B.S. Marg, Ghatkopar (W), Mumbai-400086, Maharashtra, India. "BOTTLE". 17th May 2000.

H. D. THAKUR

Controller General of Patents Designs & Trade Marks